AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph on page 1, lines 3-5, with the following amended paragraph:

BACKGROUND

The present invention relates to a method for traffic engineering ~~as is described in the non-characteristic part of claim 1,~~ and to an ingress router ~~as is described in the preamble of claim 9~~.

Please replace the paragraph on page 1, lines 6-9, with the following amended paragraph:

Such a method is already known in the art, e.g. from *RFC 3270 of the IETF working group~~, which can be publicly found on the Internet on the web page http://IETF.org/rfc.html and which is titled " Multi-Protocol Label Switching (MPLS) Support of Differentiated Services"~~*.

Please replace the paragraph on page 2, lines 11-13, with the following amended paragraph:

BRIEF DESCRIPTION

An object of the present invention is thus to provide such a method for traffic engineering within a packet network, especially for that part of the traffic intended to a specific ~~tunnel .~~ tunnel.

Please delete the paragraph on page 2, lines 14-18.

Please delete the paragraph on page 2, lines 23-24.

Please replace the paragraph on page 3, lines 3-9, with the following amended paragraph:

The distinction between the different service classes can be even more further elaborated by providing a separate shaper for each of these queues , as described in claims 3 and 11, such that a traffic engineering tunnel can be further used to engineer multiple service classes. In this case, having one queue and associated shaper per service class of the tunnel allows monitoring and shaping each service class traffic separately.

Please delete the paragraph on p. 3, lines 10-12.

Please replace the paragraph on page 3, starting on line 16 and continuing on page 4, with the following amended paragraph:

A monitoring device is provided, specifically to control the load or traffic via this dedicated tunnel or the plurality of tunnels., as is described in claims 5, 6 and 13 . This may be performed by periodically measuring the number of packets and their size sent out from the queues, or the number of octets sent out from the queues. On the basis of this monitoring, a comparison can be made with the predetermined reserved bandwidth for the tunnel. This may for instance be performed by comparing the monitored traffic with a predetermined threshold related to this predetermined reserved bandwidth. If this threshold is exceeded, a notification message to the network administrator is generated. The latter can then, based on such a message, increase the reserved bandwidth for the tunnel or the plurality or tunnels, which may in its turn result in calculating a new path for the tunnel or tunnels with this new bandwidth as described in claim 7. Furthermore, this can also result in providing new shaping parameters by the network administrator to the dedicated tunnel shapers. shapers.

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Appln. No.: 10/691,651

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Please replace the paragraph on page 4, lines 3-6, with the following amended paragraph:

In addition to the aforementioned features, the present method is enabled by the network administrator through the sending of a predetermined message to the ingress router~~, as is further described in claims 8 and 14~~.

Please insert the new paragraph on page 4, between lines 12 and 13:

BRIEF DESCRIPTION OF THE DRAWINGS

FIGURE schematically shows ingress and egress routers.

DETAILED DESCRIPTION